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2. (Amended) A marking device as claimed 1, in which the housing further comprises a handle by means of which the device is manipulatable.

3. (Amended) A marking device as claimed 1, in which a window is provided in the housing through which the marking head protrudes, said window having a face to rest, in use, against an object to be marked to stabilise the device.

- 4. (Amended) A marking device as claimed in claim 3, in which the window is selectively detachable from the housing for replacement with differently shaped windows for abutment against differently shaped objects to be marked.
- 8. (Amended) A marking device as claimed in claim 7, in which said marking head has a head housing and a solenoid in the head housing to drive said pin, said head housing and solenoid defining a chamber in which is slidably disposed a ferromagnetic piston to impact a base of said pin.
- 9. (Amended) A marking device as claimed in claim 8, in which a return spring is disposed between the pin and the piston to return the pin and piston to a ready position.
- 11. (Amended) A marking device as claimed in claim 7, in which the frame comprises a rail and a carriage slideable along said rail in said first direction, and in which said head housing is mounted substantially directly on said carriage so that the rail, carriage and head housing all lie in said third direction, said head housing having substantially the same dimensions as said carriage, so that recoil impacts of said piston are transmitted directly into said carriage and thence to the rail and frame.
- 12. (Amended) A marking device as claimed in claim 1, in which said housing is a clamshell housing opening in said first direction, each clamshell having a bearing bush and said frame having pivot pins captured in said bearing bushes.



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14. (Amended) A marking device comprising:

a housing of the device;

a frame arranged for pivotal movement with respect to the housing about a

4 first axis;

a carriage mounted on the frame for translational movement in the frame in a first direction parallel said first axis and spaced therefrom;

a marking head mounted in the carriage

a first motor to drive the marking head in the frame; and

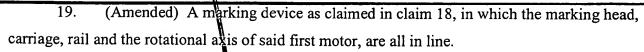
a second motor arranged to pivot the frame with respect to the housing

about said axis in a second, substantially orthogonal, direction; wherein

said marking head includes a stylus pin and drive means to drive the pin in ¿ a third direction substantially orthogonal said first and second directions against a surface to be marked, said first and second directions defining a plane; and

the frame, carriage, marking head, and first and second motors being disposed in the housing so that the device has a centre of gravity substantially coincident said plane over substantially all movements of the frame in said second direction.

- 15. (Amended) A marking device as claimed in 14, in which the housing further comprises a handle by means of which the device is manipulatable.
- 16. (Amended) A marking device as claimed in 14, in which the motors each comprise a body, a rotary armature, and a screw, on which screw the armature is threaded, the screw being fixed.
- 17. (Amended) A marking device as claimed in claim 16, in which the first motor is carried on the carriage, the screw of the first motor being fixed in the frame.





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20. (Amended) A marking device as claimed in claim 14, further comprising a sub-frame, which is pivotally mounted in the frame about a sub-axis parallel said first axis, the second motor being fixed in said sub-frame, and a clevis, which is pivotally mounted in the housing about a clevis axis also parallel said first axis, the screw of the second motor being fixed in said clevis.

- 21. (Amended) A marking device as claimed in claim 19, further comprising a sub-frame, which is pivotally mounted in the frame about a sub-axis parallel said first axis, the second motor being fixed in said sub-frame, and a clevis, which is pivotally mounted in the housing about a clevis axis also parallel said first axis, and in which said sub-axis is also inline with said marking head, carriage, rail and the rotational axis of said first motor.
- 22. (Amended) A marking device as claimed in claim 20, in which said housing is a clamshell housing opening in said first direction, each clamshell having a bearing bush and said frame having pivot pins captured in said bearing bushes, and in which the housing further comprises a handle by means of which the device is manipulatable, and in which each clamshell has a handle bearing bush in the region of the clamshell forming said handle of the device, said clevis comprising pivot pins captured in said handle bearing bushes.
- 24. (Amended) A marking device as claimed 14, in which a window is provided in the housing through which the marking head protrudes, said window having a face to rest, in use, against an object to be marked to stabilise the device.
- 25. (Amended) A marking device as claimed in claim 14, in which the marking head has a head housing and a solenoid in the head housing to drive said pin, said head housing and solenoid defining a chamber in which is slidably disposed a ferromagnetic piston to impact a base of said pin.
- 26. (Amended) A marking device as claimed in claim 14, in which the frame comprises a rail, said carriage being slidable along said rail in said first direction.



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(Amended) A marking device as claimed in claim 25, in which the frame comprises a rail, said carriage being slidable along said rail in said first direction, and in which said head housing is mounted substantially directly on said carriage so that the rail, carriage and head housing all lie in said third direction, said head housing having substantially the same dimensions as said carriage, so that recoil impacts of said piston are transmitted directly into said carriage and thence to the rail and frame.

- 28. (Amended) A marking device as claimed in claim 23, in which said housing is a clamshell housing opening in said first direction, each clamshell having a bearing bush, and said frame having pivot pins captured in said bearing bushes.
  - 30. (Amended) A marking device comprising:

a housing of the device;

a frame arranged for pivotal movement with respect to the housing about a

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first axis;

a carriage mounted on the frame for translational movement in the frame in a first direction parallel said first axis and spaced therefrom;

a marking head mounted in the carriage

a first motor to drive the marking head in the frame; and

a second motor arranged to pivot the frame with respect to the housing about said axis in a second, substantially orthogonal, direction; wherein

said motors are disposed substantially within the confines of the frame.

31. (Amended) A marking device as claimed in 30, in which the housing further comprises a handle by means of which the device is manipulatable.

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33. (Amended) A marking device as claimed in 30, in which the motors each comprise a body, a rotary armature, and a screw, on which screw the armature is threaded, said screw being fixed.

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- 34. (Amended) A marking device as claimed in claim 33, in which the first motor is carried on the carriage, the screw of the first motor being fixed in the frame.
- 35. (Amended) A marking device as claimed in claim 33, in which the frame comprises a U-shaped element having a base and arms, a rail being fixed along the base and the screw being fixed between the arms.
- 36. (Amended) A marking device as claimed in claim 35, in which the marking head, carriage, rail and the rotational axis of said first motor, are all in line.
- 37. (Amended) A marking device as claimed in claim 30, further comprising a sub-frame, which is pivotally mounted in the frame about a sub-axis parallel said first axis, the second motor being fixed in said sub-frame, and a clevis, which is pivotally mounted in the housing about a clevis axis also parallel said first axis, the screw of the second motor being fixed in said clevis.
- 38. (Amended) A marking device as claimed in claim 35, further comprising a sub-frame, which is pivotally mounted in the frame about a sub-axis parallel said first axis, the second motor being fixed in said sub-frame, and a clevis, which is pivotally mounted in the housing about a clevis axis also parallel said first axis, and in which said sub-axis is also inline with said marking head, rail and the rotational axis of said first motor.
- 39. (Amended) A marking device as claimed in claim 36, in which the housing further comprises a handle by means of which the device is manipulatable, and in which each clamshell has a handle bearing bush in the region of the clamshell forming said handle of the device, said clevis comprising pivot pins captured in said handle bearing bushes.

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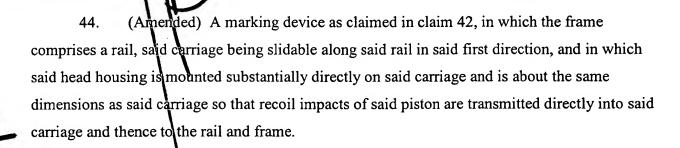
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(Amended) A marking device as claimed 30, in which a window is provided in the housing through which the marking head protrudes, said window having a face to rest, in use, against an object to be marked to stabilise the device.

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42. (Amended) A marking device as claimed in claim 41, in which said marking head has a head housing and a solenoid in the head housing to drive said pin, said head housing and solenoid defining a chamber in which is slidably disposed a ferromagnetic piston to impact a base of said pin.



- 45. (Amended) A marking device as claimed in claim 30, in which said housing is a clamshell housing opening in said first direction, each clamshell having a bearing bush and said frame having pivot pins captured in said bearing bushes.
- 46. (Amended) A marking device as claimed in claim 1, in which said marking head has a marking point, which point is the tip of a marking pin of the marking head and at which the marking head contacts, in use a surface to be marked, in which said second motor has a point of application at which it effects said pivoting of the frame, and in which said first axis is disposed between, and spaced from, said marking point and said point of application.

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48. (Amended) A marking device as claimed in claim 46, further comprising a sub-frame, which is pivotally mounted in the frame about a sub-axis parallel said first axis, the second motor being fixed in said sub-frame, in which said point of application comprises said sub-axis.

52. A marking device as claimed in claim 51, in which a distribution board is disposed in said pistol grip handle and said lead terminates on said distribution board.

Please add the following new claims:

53. A marking device comprising:

ahousing of the device;

frame arranged for pivotal movement with respect to the housing about a

first axis;

a carriage mounted on the frame for translational movement in the frame in a first direction parallel said first axis and spaced therefrom;

a marking head mounted in the carriage

a first motor to drive the marking head in the frame; and

a second motor arranged to pivot the frame with respect to the housing

about said axis in a second, substantially orthogonal, direction; wherein

said marking head includes a stylus pin and drive means to drive the pin in a third direction substantially orthogonal said first and second directions against a surface to be marked, said first and second directions defining a plane;

the motors each comprise a body, a rotary armature, and a screw, on which screw the armature is threaded;

the first motor is carried on the carriage, the screw of the first motor being fixed in the frame;

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screw

the frame comprises a U-shaped element along the base of which element is fixed a rail on which the carriage slides and between the arms of which element is fixed the

the marking head, carriage, rail and the rotational axis of said first motor, are all in line.

A marking device as claimed in claim 53, further comprising a sub-frame, which is pivotally mounted in the frame about a sub-axis parallel said first axis, the second motor being fixed in said sub-frame, and a clevis, which is pivotally mounted in the housing about a clevis axis also parallel said first axis, the screw of the second motor being fixed in said clevis.

55. A marking device as claimed in claim 53, further comprising a sub-frame, which is pivotally mounted in the frame about a sub-axis parallel said first axis, the second motor being fixed in said sub-frame, and a clevis, which is pivotally mounted in the housing about a clevis axis also parallel said first axis, and in which said sub-axis is also in line with said marking head, carriage, rail and the rotational axis of said first motor.

56. A marking device comprising:

a housing including internal walls having a structural support thereon;

a frame, pivotally mounted to the structural support about a first axis;

a marking head mounted on the frame;

a first motor to drive the marking head in the frame in a first direction parallel to said first axis and spaced therefron; and

a second motor arranged to pivot the frame with respect to the housing about said first axis in a second, substantially orthogonal direction;

wherein said frame, first motor, and second motor being enclosed within the housing and operating together to move the marking head with respect to the housing.